

# Hydrocortisone (Base)



**INCI Name:** Hydrocortisone Base

**CAS Numbers:** 50-23-7

## Description:

Hydrocortisone is a steroid hormone which is produced by the adrenal cortex. The adrenal cortex regulates carbohydrate metabolism and maintains blood pressure. Hydrocortisone is also called cortisol.

## Technical Data:

Index Name	Specifications
Appearance	White or almost white powder
Identification	
IR-spectrum	Meets the requirement
UV Absorption	Meets the requirement
Specific rotation	+150 to 156 degree
Loss on drying	1.0%max
Residue on ignition	0.0
Related substance	Individual impurity: 0.5% max Total impurities: 1.5% max
Assay	97.0-103.0%
Residue solvent	Methanol 1500ppm Max Ethanol 2000ppm Max
Conclusion	The product confirms EP6/USP33

## Applications:

Hydrocortisone is used in creams, ointments, sprays, and lotions. Hydrocortisone is used in cosmetic face and skin creams. Hydrocortisone is a steroid used to reduce inflammation and is sold in over the counter skin ointments. Hydrocortisone is used medically to reduce swelling, tenderness, pain, itching, or redness.



McKinley Resources, Inc.

P.O. Box 810472 • Dallas, TX 75381

Phone: 972-620-9730 • Fax: 972-421-1860

[www.mckinleyresources.com](http://www.mckinleyresources.com) • [info@mckinleyresources.com](mailto:info@mckinleyresources.com)